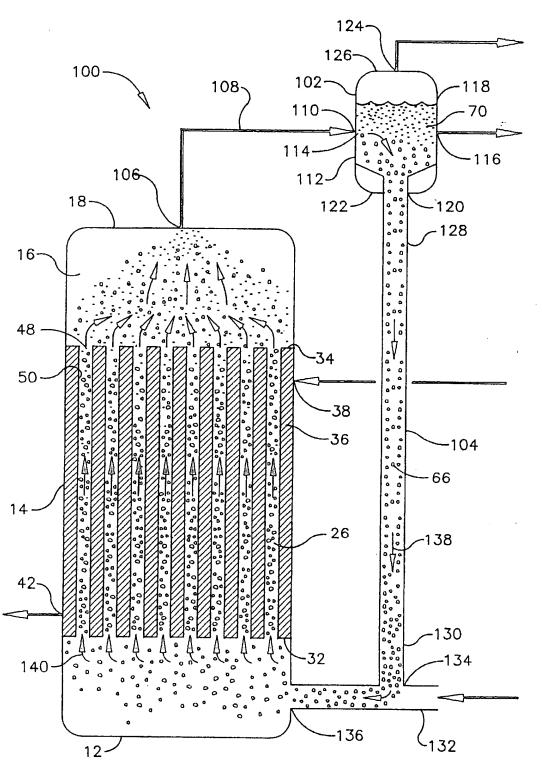
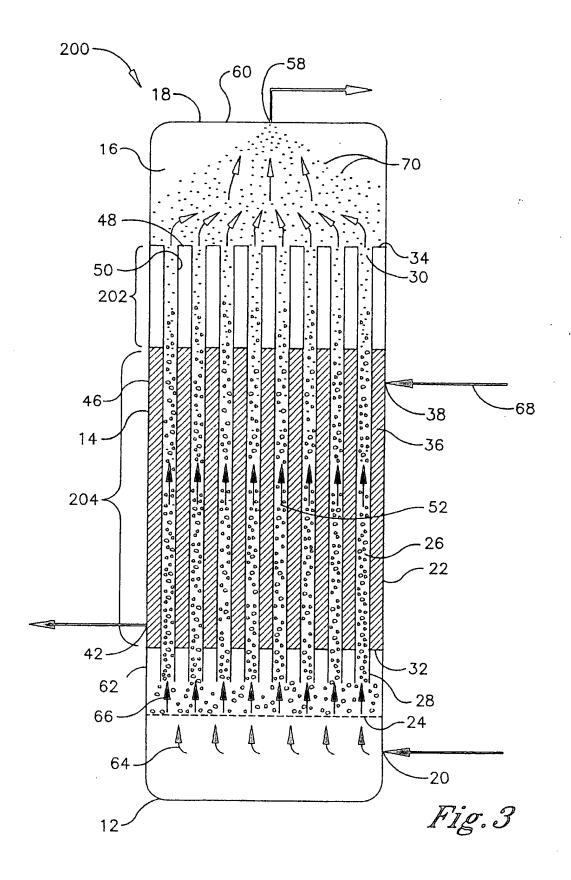


Fig. 2





## GLOSSARY OF DRAWING TERMS Attorn y Docket No. 990018 P02

- 10 fluidized bed heat exchanger (FBHX)
- 12 lower chamber
- 14 middle chamber
- 16 upper chamber
- 18 shell
- 20 petroleum liquid feed inlet
- 22 vertical side of shell
- 24 distributor plate
- 26 tubes
- 28 lower ends of tubes
- 30 upper ends of tubes
- 32 lower tube plate
- 34 upper tube plate
- 36 interstitial space
- 38 heat transfer medium inlet
- 40 upper portion of middle chamber
- 42 heat transfer medium outlet
- 44 lower portion of middle chamber
- 46 opposite vertical side of shell
- 48 tube interiors
- 50 tube walls
- 52 downcomer
- 54 lower end of downcomer
- 56 upper end of downcomer
- 58 product outlet
- 60 top of shell
- 62 upper portion of lower chamber
- 64 petroleum liquid feed stream arrows
- 66 solid particle medium
- 68 heat transfer medium arrow
- 70 solid hydrate particles
- 72 solid particle medium return arrows
- 100 alternate FBHX
- 102 external separator
- 104 external downcomer
- 106 fluidizable mixture outlet
- 108 fluidizable mixture line
- 110 separator fluidizable mixture inlet
- 112 vertical side of separator
- 114 middle portion of separator
- 116 product outlet

- 118 opposite vertical side of separator
- 120 solid particle medium outlet
- 122 bottom
- 124 gas vent
- 126 top
- 128 upper end of downcomer
- 130 lower end of downcomer
- 132 petroleum liquid feed line
- 134 tee junction
- 136 fluidizable mixture inlet
- 138 solid particle medium return arrows
- 140 fluidizable mixture arrows
- 200 alternate FBHX
- 202 upper portion of tubes
- 204 lower portion of tubes